Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/22/2022 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125579	0	1.48	125449	1.48
Blue	F	SSC	125000	125595	0	2.86	126226	2.84
Blue	E	FITC	15860	15430	-3	2.3	375	14.31
Blue	D	PE	27718	27463	-1	1.82	638	10.45
Blue	B	PerCP-Cy5-5	38046	37438	-2	2.98	1025	14.89
Blue	A	PE-Cy7	26092	26000	-1	4.95	507	31.35
Red	C	APC	49104	48831	-1	2.88	1715	11.44
Red	A	APC-Cy7	28201	27341	-4	3.17	720	12.1
Violet	B	V450	9904	9409	-5	3.51	526	11.24
Violet	A	V500	39004	38348	-2	3.15	1002	8.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24104	1.9	564	-5	N/A	N/A	Pass
Blue	F	SSC	56246	1.56	522	-6	N/A	N/A	Pass
Blue	E	FITC	58	55.6	491	0	0.0407	66	Pass
Blue	D	PE	124	37.93	497	1	0.3910	278	Pass
Blue	B	PerCP-Cy5-5	140	44.33	589	0	0.0196	61	Pass
Blue	A	PE-Cy7	63	94.35	632	0	0.0206	0	Pass
Red	C	APC	330	26.36	580	-1	0.0280	143	Pass
Red	A	APC-Cy7	96	41.29	551	-4	0.0065	1039	Pass
Violet	B	V450	85	50.54	469	11	0.0746	3242	Pass
Violet	A	V500	125	34.48	481	12	0.0247	1527	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.51	-31.15	0.97
Blue	20.34	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.45
Red	14.93	13.90 - 20.86	N/A	N/A	29.74	29.89	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 9766

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments